

***Entamoeba histolytica*, Strain 103:NIH (xenic)**

**Catalog No. NR-20085**

**Product Description:** *Entamoeba histolytica* (*E. histolytica*), strain 103:NIH was isolated in September 1941 from a case of human amebic dysentery in India.

**Lot<sup>1</sup>: 61222125**

**Manufacturing Date: 07JUN2013**

TEST	SPECIFICATIONS	RESULTS
<b>Genotypic Analysis</b> Sequencing of 18S ribosomal RNA gene (~ 1810 base pairs)	Consistent with <i>E. histolytica</i>	Consistent with <i>E. histolytica</i> <sup>2</sup>
<b>PCR Assay of Extracted DNA</b> 18S ribosomal RNA gene	~ 2100 base pair amplicon	~ 2100 base pair amplicon
<b>Viable Cell Count by Hemacytometry (pre-freeze)</b>	> 10 <sup>5</sup> cells/mL	1.7 x 10 <sup>6</sup> cells/mL
<b>Viability (post-freeze)<sup>3</sup></b>	Growth	Growth

<sup>1</sup>NR-20085 was produced by inoculation of the deposited material into TYGM-9 medium supplemented with 5% heat-inactivated adult bovine serum (HIBS) and 75 I.U./mL penicillin and 75 µg/mL streptomycin to control bacterial density. The culture was incubated in a xenic and microaerophilic environment for 4 days at 35°C, until peak density was reached.

<sup>2</sup>Also consistent with other *Entamoeba* species

<sup>3</sup>Incubated under propagation conditions for 7 days at 35°C in a xenic and microaerophilic environment

**Date:** 19 MAY 2014

**Signature:** 

**Title:** Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

